

Communication Flow Key

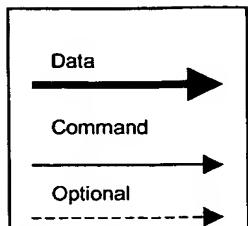


Figure 1. System Architecture

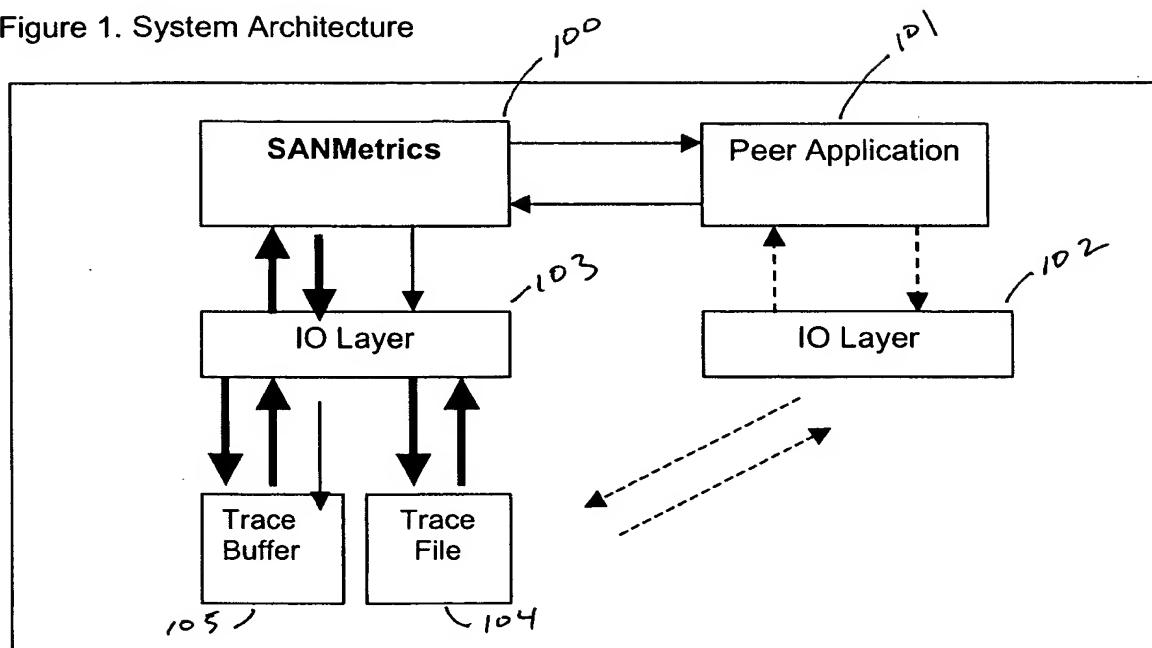


FIGURE 1

Figure 2. SANMetrics Architecture

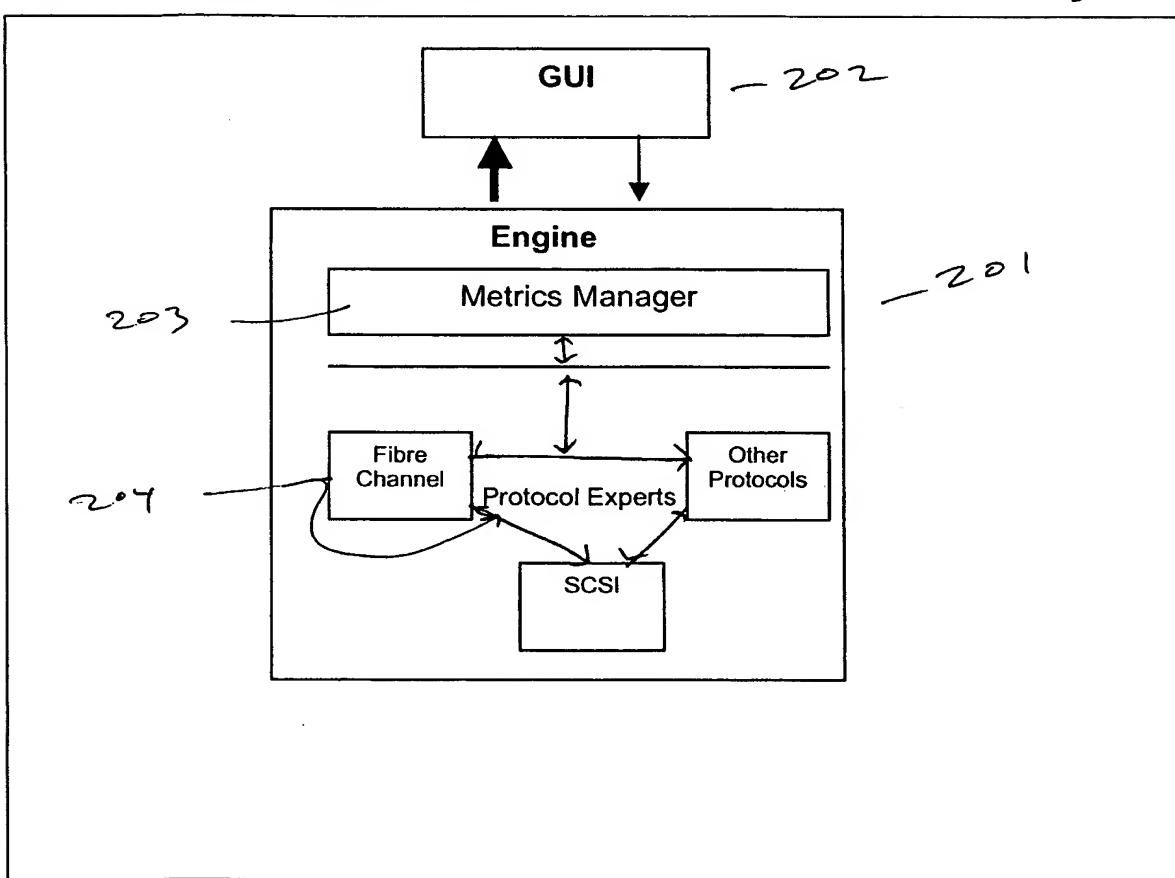


Figure 2

Figure 3

30

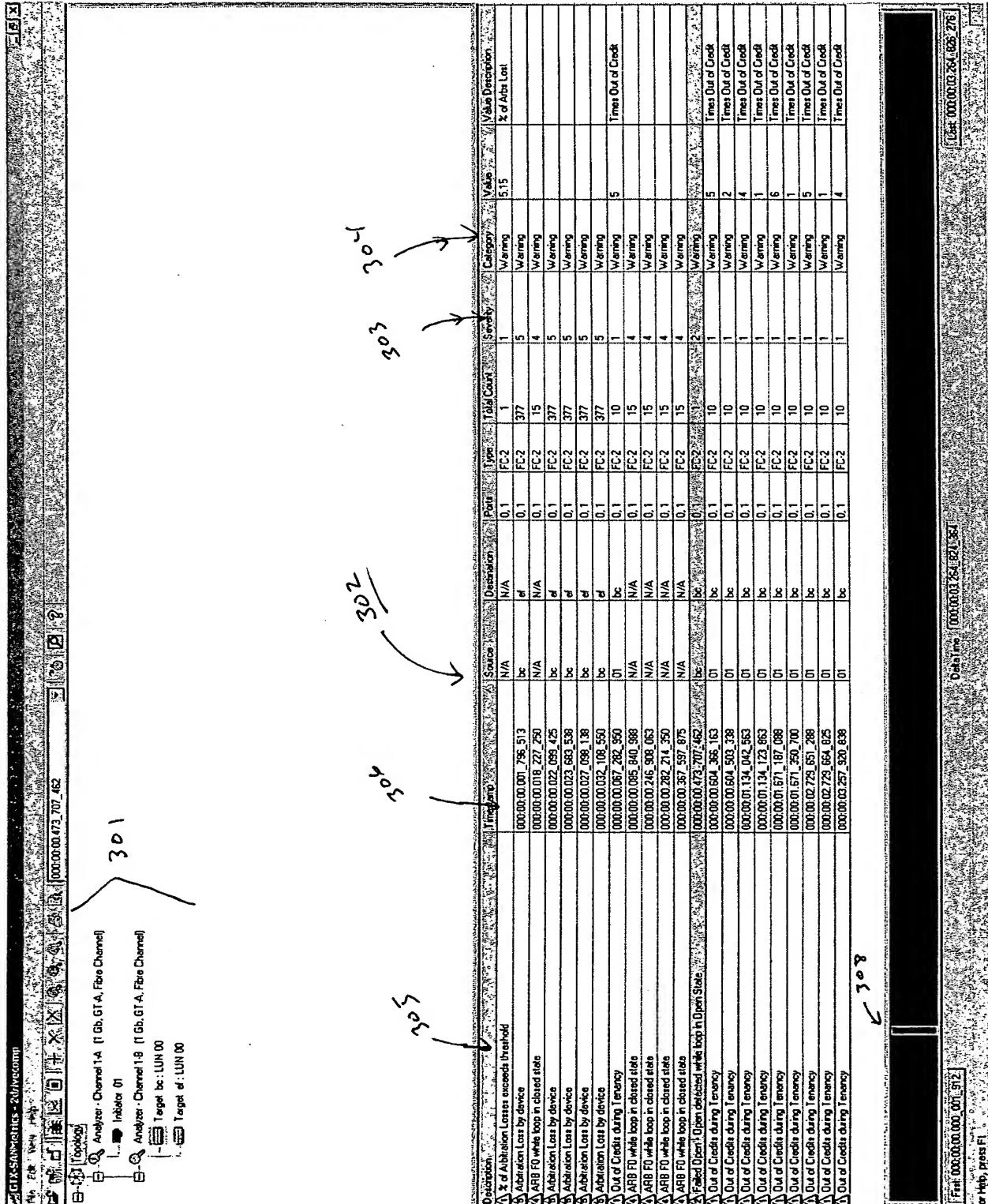


Figure 4

100

401

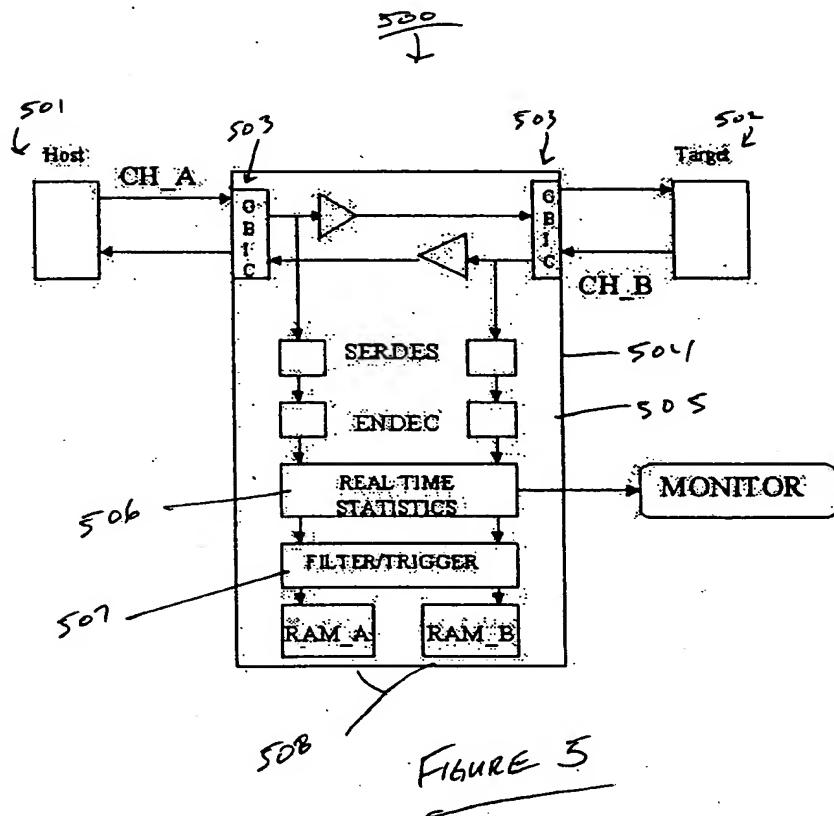
402

Description	Timestamp	Source	Destination	Port	Type	Value	Description	Category	Severity	Port	Type	Value	Description	Category	Severity	Port	Type	Value	Description	Category	Severity
1% of Out of Credit exceeds threshold	0001548912_301_395	N/A	N/A	4.5	FC2	1	Warning	1	Warning	1	FC2	1	Warning	1	Warning	1	FC2	1	Warning	1	Warning
1% of Arbitration losses exceeds threshold	0001548912_104	N/A	N/A	4.5	FC2	1	Warning	1	Warning	1	FC2	33	Warning	2	Warning	5	FC2	36	Warning	1	Warning
DPN Ended by Destination	0001548912_169_163	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	5	Warning	5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Arbitration Loss by device	0001548912_169_163	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Out of Credit during Tenergy	0001548912_211_275	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Arbitration Loss by device	0001548912_211_275	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN Ended by Destination	0001548912_304_838	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Out of Credit during Tenergy	0001548912_465_637	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Arbitration Loss by device	0001548912_468_113	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Arbitration Loss by device	0001548912_475_388	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN Ended by Destination	0001548912_502_538	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Arbitration Loss by device	0001548912_544_752	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Out of Credit during Tenergy	0001548912_611_225	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN CLS without item transmission	0001548912_616_200	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN CLS without item transmission	0001548912_620_113	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN CLS without item transmission	0001548912_679_463	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN CLS without item transmission	0001548912_684_338	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN Ended by Destination	0001548912_715_580	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Out of Credit during Tenergy	0001548912_758_137	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN Ended by Destination	0001548912_787_200	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
Out of Credit during Tenergy	0001548912_593_488	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning
DPN CLS without item transmission	0001548912_622_625	1040x [FL]	1040x [FL]	4.5	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning	1	FC2	36	Warning	1	Warning

Detailno: 0001548912_301_395

For Rep. class P

Ext: 0001548912_301_395



ATTY DKT. NO.: FNSR/1001
U.S. SERIAL NO.: UNKNOWN
FILED: HEREWITH
APPLICANT: FINISAR CORPORATION
TITLE: NETWORK ANALYSIS TOOL
INVENTOR: KLOTZ, ET AL.
EXPRESS MAIL No.: EV335470541US

CONF. NO.: UNKNOWN

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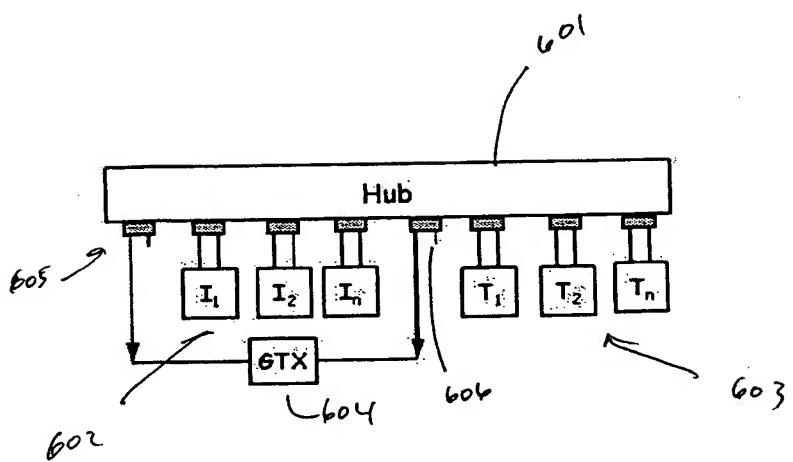


FIGURE 6

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GTx-SANmetrix - Scumunterbug										
File: E:\F\15\48\91\1_301_975										
Report Date: 15.08.2001 10:44:00										
Topology										
Analyzer - Port 4 [1 Gb, GTx/A, Fibre Channel] Indicator [104400] Analyzer - Port 5 [1 Gb, GTx/A, Fibre Channel, Switch] FL_Port [104400] FL_Port [104400] Target 104400 - LUN 00 Target 104402 Target 104404 Target 104406 - LUN 00										
Description	Timestamp	Source	Destination	Port	Type	Total Count	Spoofed	Category	Value	Next Description
% of Available Credits exceeded threshold	-	N/A	N/A	4,5	FC-0	1	1	Warning	17,13	% of Available
% of Credit exceeded threshold	-	N/A	N/A	4,5	FC-2	1	1	Warning	17,13	% of Credit
% of Available Resources exceeded threshold	-	N/A	N/A	4,5	FC-2	32	1	Warning	1	% of Available
Out of Credit during Testency	00:01:54:89:12:21_275	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:12:465_637	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:12:54_762	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:12:798_137	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:13:593_468	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:13:659_200	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:14:699_975	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:14:635_163	104400 [FL]	104400	4,5	FC-2	32	1	Warning	3	Times Out of Credit
Out of Credit during Testency	00:01:54:89:14:595_590	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Out of Credit during Testency	00:01:54:89:14:595_593	104400 [FL]	104400	4,5	FC-2	32	1	Warning	1	Times Out of Credit
Open Ended by Destination	00:01:54:89:12:169_169	104400 [FL]	104400	4,5	FC-2	32	2	Warning	0	Credit Balance
Open Ended by Destination	00:01:54:89:12:300_398	104400 [FL]	104400	4,5	FC-2	32	2	Warning	0	Credit Balance
Open Ended by Destination	00:01:54:89:12:302_393	104400 [FL]	104400	4,5	FC-2	32	2	Warning	0	Credit Balance
Open Ended by Destination	00:01:54:89:12:793_590	104400 [FL]	104400	4,5	FC-2	32	2	Warning	0	Credit Balance
Open Ended by Destination	00:01:54:89:12:797_200	104400 [FL]	104400	4,5	FC-2	32	2	Warning	0	Credit Balance
OpenSLS without item transmission	00:01:54:89:12:311_225	104400 [FL]	104400	4,5	FC-2	112	3	Warning	0	Credit Balance
OpenSLS without item transmission	00:01:54:89:12:316_200	104400 [FL]	104400	4,5	FC-2	112	3	Warning	0	Credit Balance
OpenSLS without item transmission	00:01:54:89:12:621_113	104400 [FL]	104400	4,5	FC-2	112	3	Warning	0	Credit Balance
OpenSLS without item transmission	00:01:54:89:12:729_469	104400 [FL]	104400	4,5	FC-2	112	3	Warning	0	Credit Balance
OpenSLS without item transmission	00:01:54:89:12:966_398	104400 [FL]	104400	4,5	FC-2	112	3	Warning	0	Credit Balance

Figure 7

ATTY DKT. NO.: FNSR/1001
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Description	Source	Destination	Port	Type	Out Count	SentBy	Category	Value	Value Detection
Arb Arbitration Losses exceed threshold	N/A	N/A	0, 1	FC2	10	1	Warning	5.15	Times Out of Credit
Out of Credits during Tenancy	00000000067 282 950	0, 1	FC2	10	1	Warning	5	Times Out of Credit	
Out of Credits during Tenancy	0000000064 356 163	0, 1	FC2	10	1	Warning	5	Times Out of Credit	
Out of Credits during Tenancy	00000000504 503 358	0, 1	FC2	10	1	Warning	4	Times Out of Credit	
Out of Credits during Tenancy	0000000134 042 563	0, 1	FC2	10	1	Warning	4	Times Out of Credit	
Out of Credits during Tenancy	0000000134 194 173 953	0, 1	FC2	10	1	Warning	4	Times Out of Credit	
Out of Credits during Tenancy	00000001671 167 068	0, 1	FC2	10	1	Warning	6	Times Out of Credit	
Out of Credits during Tenancy	00000001671 350 700	0, 1	FC2	10	1	Warning	1	Times Out of Credit	
Out of Credits during Tenancy	00000002728 651 268	0, 1	FC2	10	1	Warning	5	Times Out of Credit	
Out of Credits during Tenancy	00000002728 564 825	0, 1	FC2	10	1	Warning	5	Times Out of Credit	
Out of Credits during Tenancy	00000002791 520 638	0, 1	FC2	10	1	Warning	4	Times Out of Credit	
Faked Open - Open detected while loop in Down State	0000000473 707 462	bc	0, 1	FC2	1	2	Warning		
ARB_FI while loop in closed state	00000000118 227 450	N/A	N/A	0, 1	FC2	15	4	Warning	
ARB_FI while loop in closed state	00000000095 840 988	N/A	N/A	0, 1	FC2	15	4	Warning	
ARB_FI while loop in closed state	0000000246 508 063	N/A	N/A	0, 1	FC2	15	4	Warning	
ARB_FI while loop in closed state	0000000282 214 350	N/A	N/A	0, 1	FC2	15	4	Warning	
ARB_FI while loop in closed state	0000000367 597 875	N/A	N/A	0, 1	FC2	15	4	Warning	
Arbitration Loss by device	00000000001 796 513	bc	0, 1	FC2	377	5	Warning		
Arbitration Loss by device	00000000022 169 425	bc	0, 1	FC2	377	5	Warning		
Arbitration Loss by device	00000000023 683 538	bc	0, 1	FC2	377	5	Warning		
Arbitration Loss by device	00000000032 106 550	bc	0, 1	FC2	377	5	Warning		

Figure 8

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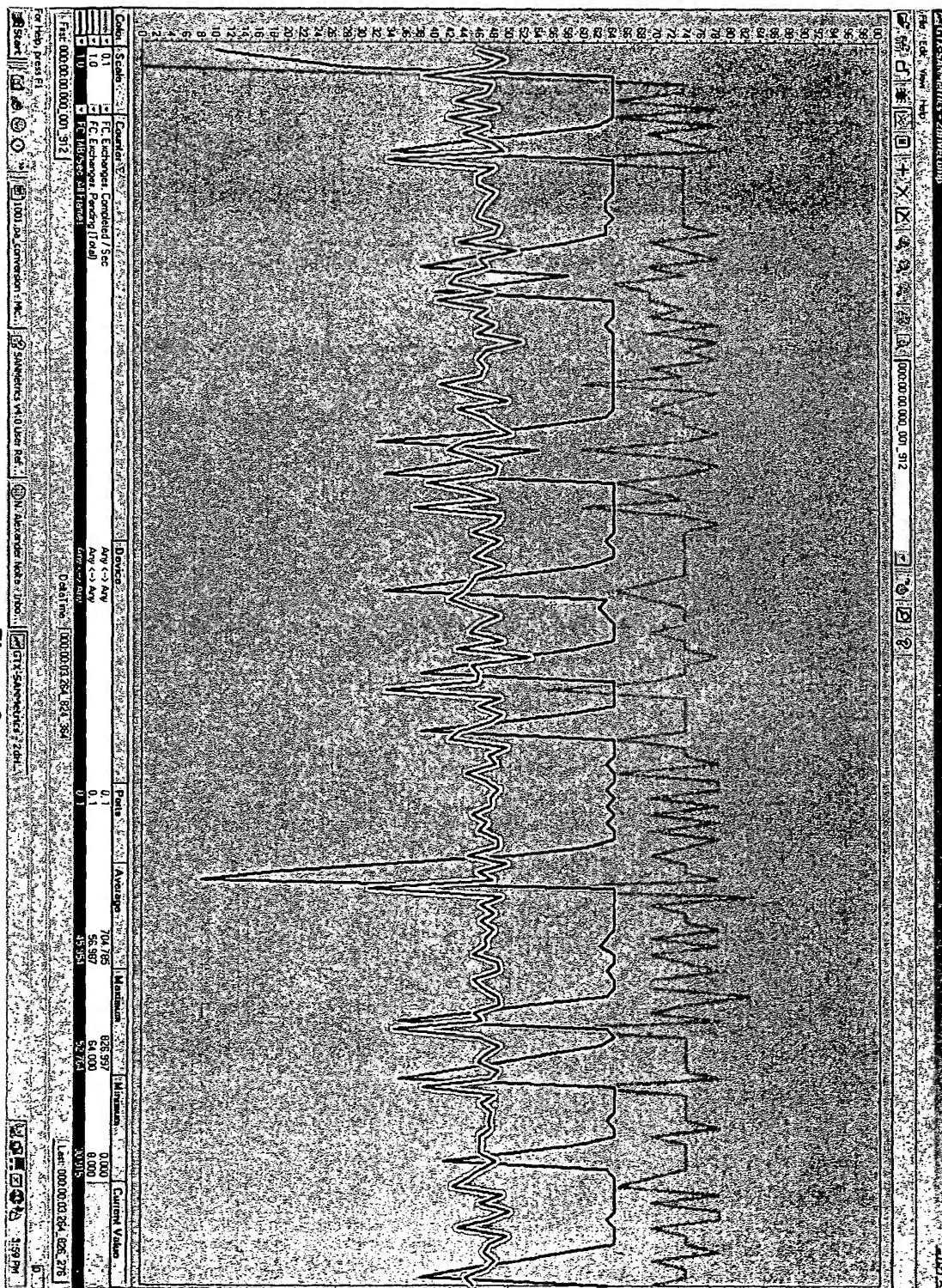
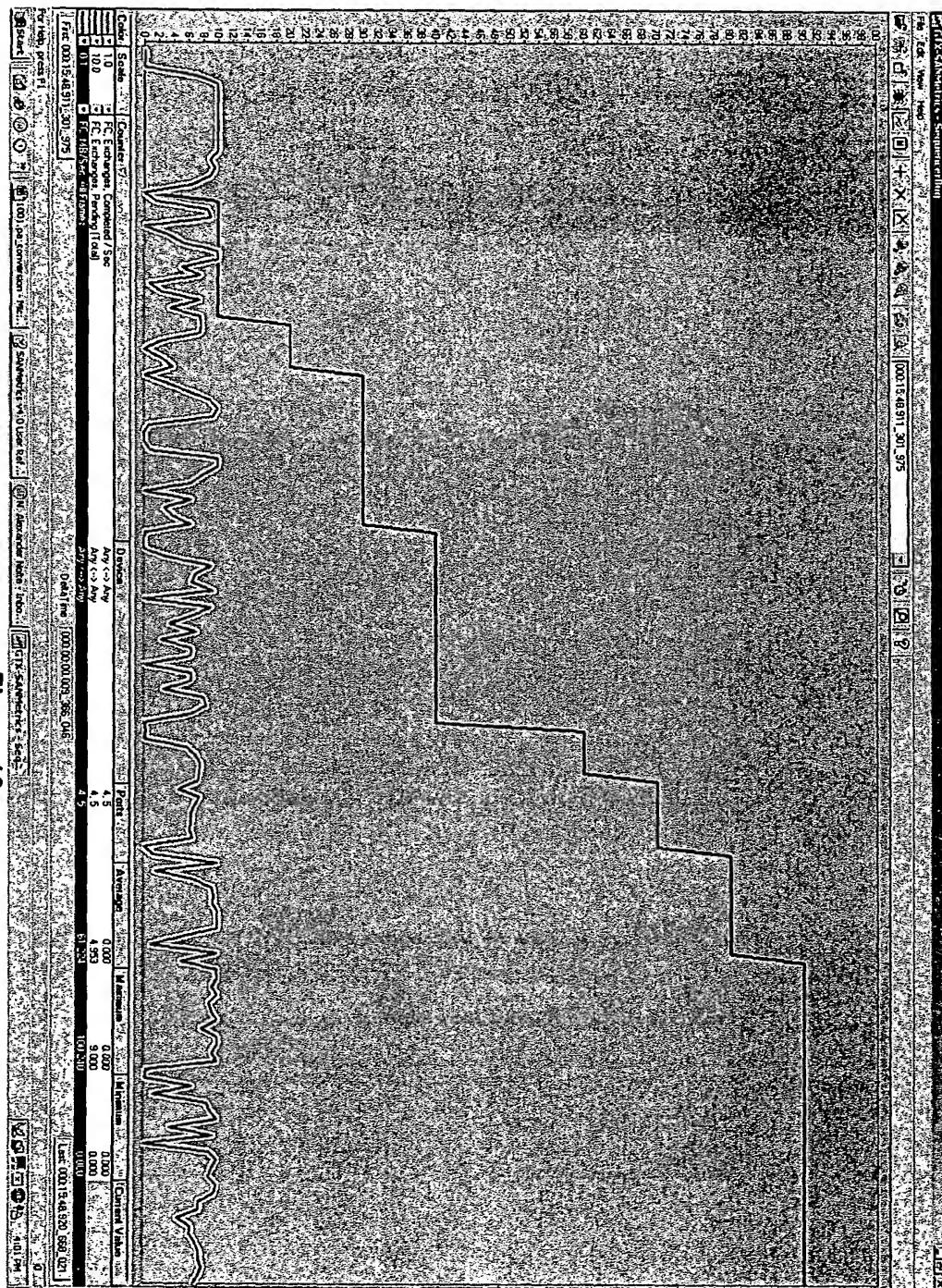


Figure 9

ATTY DKT. NO.: FNSR/1001
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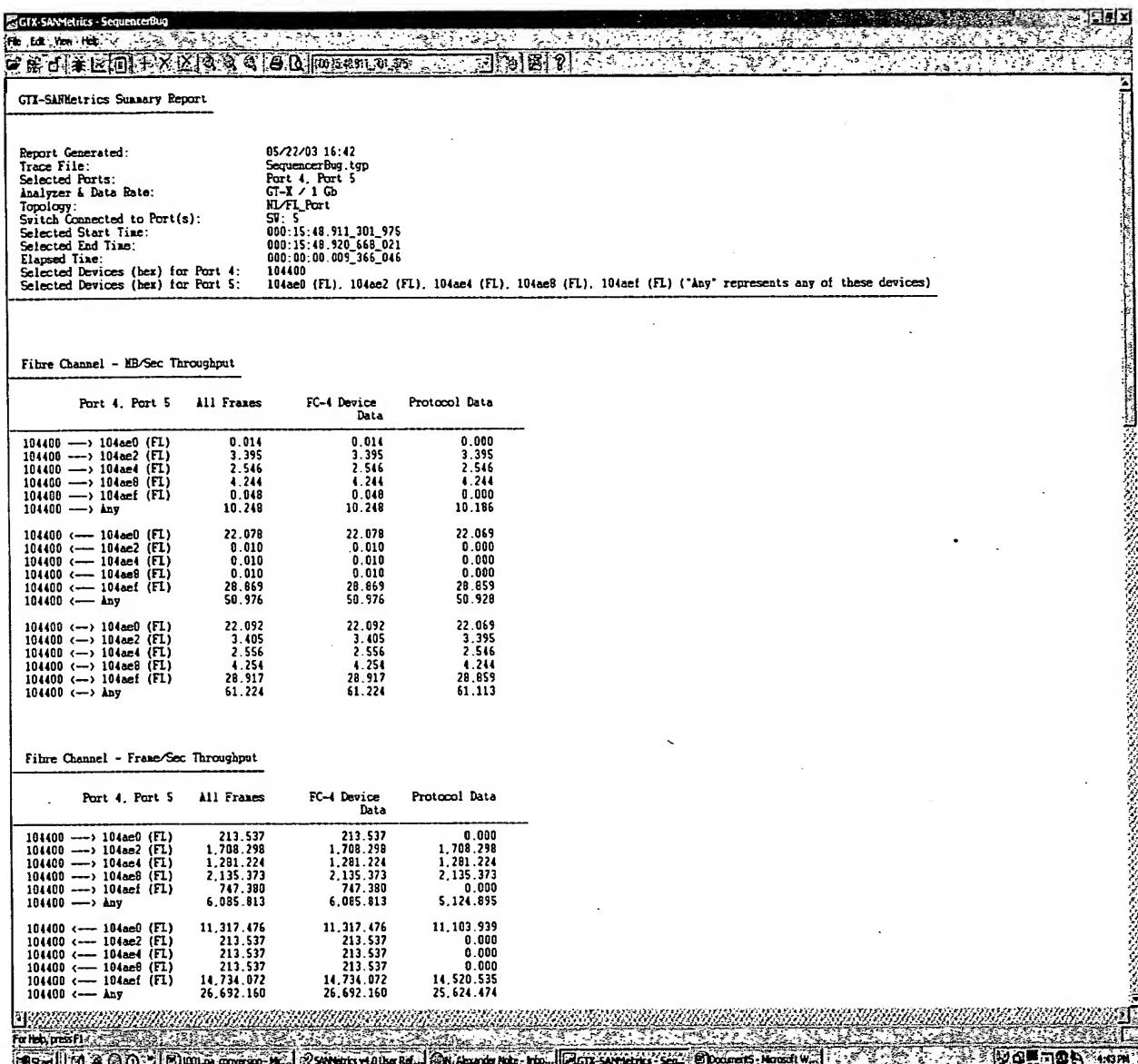


Figure 11

ATTY DKT. NO.: FNSR/1001
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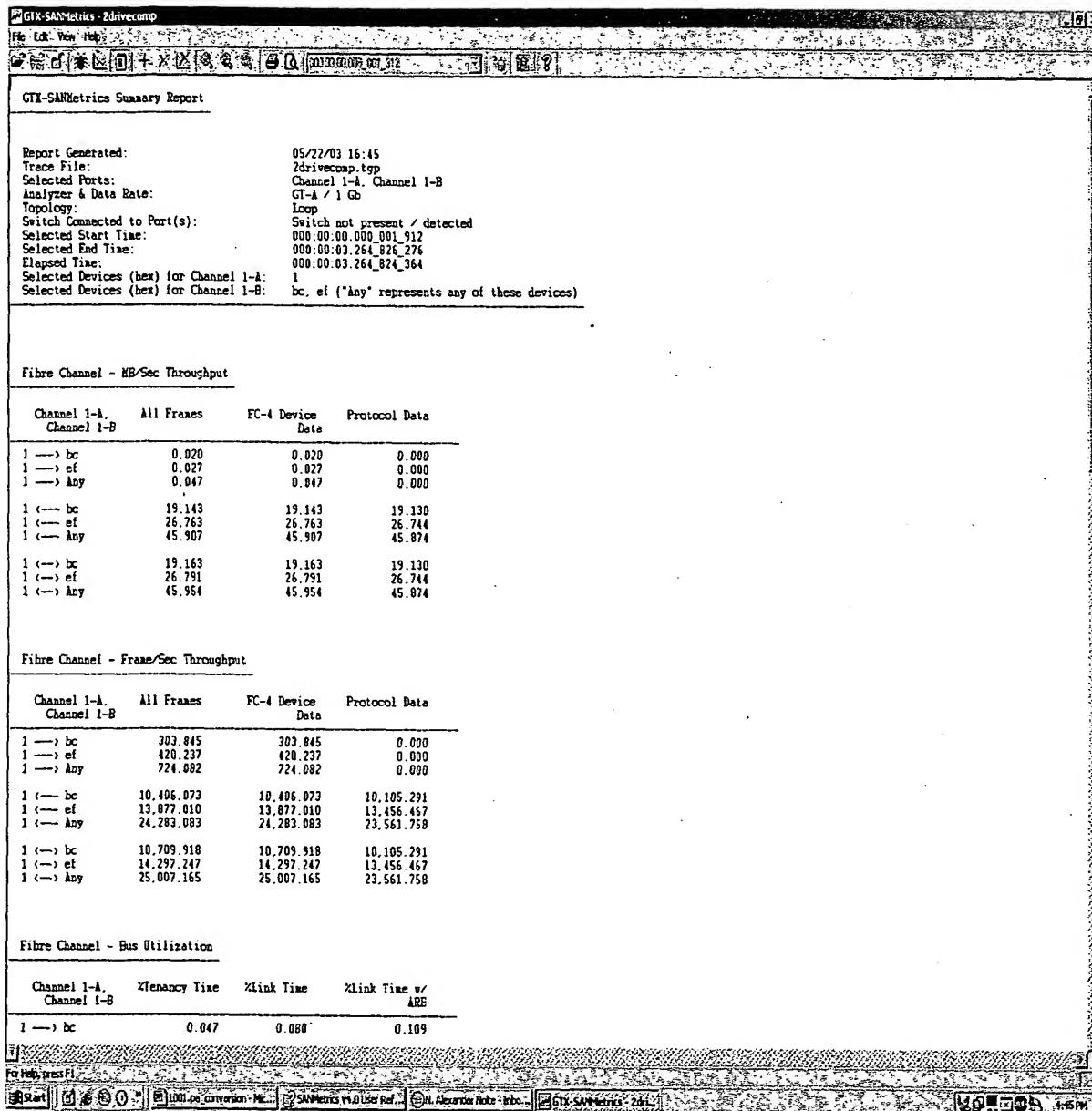


FIGURE 12